

Abstract

The present invention provided a method for promoting gonadal growth in an animal, comprising administration of thyroid hormone or its derivatives having thyroid hormone-like activity to the animal. Furthermore, this invention also provided a method for promoting gonadal growth in an animal, comprising introduction of a gene encoding type II deiodinase into the animal, and a transformed animal introduced with a gene encoding type II deiodinase into the animal. The method of the present invention provides a new method for promoting gonadal growth in an animal, through elucidation on the molecular mechanism of photoperiodism (photoperiodic time measurement) in birds.